

This listing of claims will replace all prior versions, and listings, of claims in our amendments or responses to Office actions.

Amendments to the Claims:

Claims 1-20 (canceled)

Claim 21 (new) An isolated or purified polypeptide having at least 90% sequence identity to an extracellular domain of SEQ ID NO: 12 or 14.

Claim 22 (new) The isolated or purified polypeptide of claim 21, wherein the polypeptide has at least 95% sequence identity to the extracellular domain of SEQ ID NO: 12 or 14.

Claim 23 (new) The isolated or purified polypeptide of claim 21, wherein the polypeptide associates with DAP12.

Claim 24 (new) The isolated and purified polypeptide of claim 21 fused to a heterologous protein.

Claim 25 (new) The isolated and purified polypeptide of claim 24, wherein the heterologous protein is an immunoglobulin peptide.

Claim 26 (new) The isolated and purified polypeptide of claim 24, wherein the heterologous protein is a detection or purification tag selected from the group consisting of a FLAG, His6, β -galactosidase, trpE, Protein A, β -lactamase, alpha amylase, alcohol dehydrogenase, and yeast alpha mating factor.

Claim 27 (new) A composition comprising the isolated and purified polypeptide of claim 21 and a pharmaceutically acceptable carrier.

Claim 28 (new) An isolated or purified polypeptide having at least 90% sequence identity to SEQ ID NO: 12 or 14.

Claim 29 (new) The isolated or purified polypeptide of claim 28, wherein the polypeptide has at least 95% sequence identity to SEQ ID NO: 12 or 14.

Claim 30 (new) The isolated or purified polypeptide of claim 28, wherein the polypeptide associates with DAP12.

Claim 31 (new) The isolated and purified polypeptide of claim 28 fused to a heterologous protein.

Claim 32 (new) The isolated and purified polypeptide of claim 31, wherein the heterologous protein is an immunoglobulin peptide.

Claim 33 (new) The isolated and purified polypeptide of Claim 31, wherein the heterologous protein is a detection or purification tag selected from the group consisting of a FLAG, His6, β -galactosidase, trpE, Protein A, β -lactamase, alpha amylase, alcohol dehydrogenase, and yeast alpha mating factor.

Claim 34 (new) A composition comprising the isolated and purified polypeptide of claim 28 and a pharmaceutically acceptable carrier.

Claim 35 (new) An isolated or purified polypeptide comprising an extracellular domain of the amino acid sequence of SEQ ID NO: 12 or 14.

Claim 36 (new) The isolated and purified polypeptide of claim 35 fused to a heterologous protein.

Claim 37 (new) The isolated and purified polypeptide of claim 36, wherein the heterologous protein is an immunoglobulin peptide.

Claim 38 (new) The isolated and purified polypeptide of Claim 36, wherein the heterologous protein is a detection or purification tag selected from the group consisting of a FLAG, His6, β -galactosidase, trpE, Protein A, β -lactamase, alpha amylase, alcohol dehydrogenase, and yeast alpha mating factor.

Claim 39 (new) A composition comprising the isolated and purified polypeptide of claim 35 and a pharmaceutically acceptable carrier.

Claim 40 (new) An isolated or purified polypeptide comprising the amino acid sequence of SEQ ID NO: 12 or 14.

Claim 41 (new) The isolated and purified polypeptide of claim 40 fused to a heterologous protein.

Claim 42 (new) The isolated and purified polypeptide of claim 41, wherein the heterologous protein is an immunoglobulin peptide.

Claim 43 (new) The isolated and purified polypeptide of Claim 41, wherein the heterologous protein is a detection or purification tag selected from the group consisting of a FLAG, His6, β -galactosidase, trpE, Protein A, β -lactamase, alpha amylase, alcohol dehydrogenase, and yeast alpha mating factor.

Claim 44 (new) A composition comprising the isolated and purified polypeptide of claim 40 and a pharmaceutically acceptable carrier.